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1. **Status:** please all the replies and correspondence should be addressed to examiner's new art unit 2629. Receipts are acknowledged of papers submitted on 05-27-2011 under amendments; and on 07-11-2011 under E-mail with propose amendments to do Examiner amendments, which have been placed of record in the file. Claims 1-4 are pending in this office action.

Response to Amendment

2. The amendment filed 05-25-2011 does not introduce new matter into the disclosure. The added material is supported by the original disclosure and the support for limitation (b) in claims 1 and 4 and its corresponding limitation in claim 4 is found, for example, at page 16 line 23 and at p.28 line 7 to page 30 line 6. The first passage at page 16 indicates that the term x_n refers to a displayed value, and the passage from pages 20-30 indicates that the subscript "n" refers to the current frame, that n- subscripts refer to preceding frames, while n+ subscripts refer to subsequent frames. Thus the specification supports the limitation of determining a driving value for a currently displayed frame (x_n) based on values from both preceding (x_{n-1} , x_{n-2} , etc.) and subsequent frames (x_{n+1} , x_{n+2} , etc.). Applicant has amended Claims 1 and 4 to overcome prior art rejection. Applicant has also E-mailed amendments to Claims 1 and 4, on 07-11-2011 to expedite allowability of the instant application.

3. The applicant has agreed to do examiner's amendments per examiner's extensive interview with applicant's representative on 07-11-2011 to overcome prior art rejection and expedite allowability of instant application.. The amended independent claims 1 and 4 with this

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examiner amendment after further extensive search in PGPUB with all of the other prior art cited on 892's 1449's, searched in NPL and further consideration does overcome prior art rejection; which puts the application number 10676312 in condition for allowance.

EXAMINER'S AMENDMENT

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a personal telephone interview with applicant's representative Kurt A. Rohlf on 07-11-2011.

The application has been amended as follows:

In the Claims

Claim1 amended as following.

Claim 1 (amended) A method of modifying a video image comprising a plurality of sequential frames to be displayed on a display;

- (a) receiving at least a portion of a current frame of said video image; and
- (b) modifying said current frame to alternatively increase or decrease the luminance output of a portion of said display corresponding to a pixel of said current frame, by

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overdriving a voltage to said portion to a current driving value for **display in** said current frame, said current driving value automatically selected based upon:

(i) at least one predicted displayed luminance value of said pixel in respective ones of at least one frame subsequent to said current frame of said video image; and

(ii) at least one previously displayed luminance value of said pixel in respective ones of at least one frame previous to said current frame of said video image;

where

(c) said current driving value is calculated to reach a non-equilibrium displayed luminance value in said current frame used to predict said at least one predicted displayed luminance value of said pixel in said at least one frame subsequent to said current frame.

Claim 4 amended as following.

Claim 4 (amended) A method of modifying an image to be displayed on a display;

(a) receiving at least a portion of said image; and

(b) modifying said image to alternatively increase or decrease the luminance output of a pixel of said image by overdriving said pixel to a current **driving** value **for display in said current frame, that is said current driving value** selected based upon:

(i) at least one predicted displayed luminance value of said pixel in respective ones of at least one subsequent frame of said image; and

(ii) at least one previously displayed luminance value of said pixel in respective ones of at least one previous frame of said image, wherein said at least

one previously displayed luminance value of said pixel is stored in a respective frame buffers; where

(c) a first said previously displayed luminance value is at a state where liquid crystal material associated with said pixel of said display is not at an equilibrium state, and where a second said previously displayed luminance value is at a state where said liquid crystal material associated with said pixel is at an equilibrium state, and where said second said previously displayed luminance value is from the earliest said at least one frame, upon which selection of said current value is based.

Allowable Subject Matter

5. Claims 1-4 are allowed.

The following is an examiner's statement of reasons for allowance: independent claims 1 and 4 are amended per examiner's extensive interview on 07-11-2011 with applicant's representative to overcome prior art rejection. Applicant has agreed to amend the independent claims 1 and 4 with examiner's amendments per interview discussion. Applicant has E-Mailed on 07-11-2001 proposed amendments to do Examiner's amendments. The prior art of Liaw, Ming- Jiun (US 20040140985 A1) and Sekiya et al. (US 2002/0175907 A1) with all of the other prior art cited on 892's 1449's, searched in NPL and searched in PG PUB, fails to recite or disclose all the other limitations of independent claims in combination with uniquely distinct features represented by underlined bold claim limitations recited below;

(b) modifying said current frame to alternatively increase or decrease the luminance output of a portion of said display corresponding to a pixel of said current frame, by overdriving a voltage to said portion to a current driving value for display in said current frame, said current driving value automatically selected based upon: (i) at least one predicted displayed luminance value of said pixel in respective ones of at least one frame subsequent to said current frame of said video image; and (ii) at least one previously displayed luminance value of said pixel in respective ones of at least one frame previous to said current frame of said video image; where (c) said current driving value is calculated to reach a non-equilibrium displayed luminance value in said current frame used to predict said at least one predicted displayed luminance value of said pixel in said at least one frame subsequent to said current frame.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Prabodh M Dharia whose telephone number is 571-272-7668. The examiner can normally be reached on M-F 8AM to 5PM.

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7. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

8. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

P.O. Box 1450

Alexandria VA 22313-1450

/Prabodh M Dharia/

Primary Examiner,

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07-12-2011